

Guardrail Projects -- No. 508113

Category	Transportation	Date Last Modified	January 09, 2008
Subcategory	Traffic Improvements	Required Adequate Public Facility	No
Administering Agency	Public Works & Transportation	Relocation Impact	None.
Planning Area	Countywide	Status	On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY07	Est. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	314	0	14	300	50	50	50	50	50	50	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	999	0	369	630	105	105	105	105	105	105	0
Construction	22	0	22	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	1,335	0	405	930	155	155	155	155	155	155	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	1,335	0	405	930	155	155	155	155	155	155	0
Total	1,335	0	405	930	155	155	155	155	155	155	0

DESCRIPTION

This project provides for studies of guardrail needs along County-maintained roadways, the subsequent installation where they are determined to be required; and upgrading identified deficient and/or noncompliant end treatments to meet current Maryland State Highway Administration (MSHA) standards.

COST CHANGE

Increase due to the addition of FY 13-14 to this ongoing project.

JUSTIFICATION

Guardrails reduce the severity of run-off-the-road accidents, prevent collisions with fixed objects and protect embankments. Damaged or missing guardrails and deficient end treatments present a hazard to motorists, cyclists, and pedestrians. Guardrails have a finite service life and must be replaced at the end of this service life or when damaged in order to continue to provide safety benefits for all users. The March 2006, "Report of the Infrastructure Maintenance Task Force," confirmed this and identified the need for guardrail lifecycle replacement.

The existing tapered and buried guardrail end treatments provide a ramp for errant vehicles and do not meet current Maryland State Highway Administration (MSHA) standards. A study was completed to identify these substandard or deficient end treatments and to replace them to meet modern crash attenuation standards.

OTHER DISCLOSURES

- * Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	(\$000)
First Cost Estimate		
Current Scope	FY09	1,335
Last FY's Cost Estimate		1,435
Appropriation Request	FY09	155
Appropriation Request Est.	FY10	155
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		405
Expenditures / Encumbrances		378
Unencumbered Balance		27
Partial Closeout Thru	FY06	2,701
New Partial Closeout	FY07	410
Total Partial Closeout		3,111

COORDINATION

Federal Highway Administration
Maryland State Highway Administration
Montgomery County Public Schools

MAP

